

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS

Box Patent Application

Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) are the specification and claims of the nonprovisional patent application of:

Qian YANG, Charles GAROFALO, Yogesh GUPTA, Ronald CASS, Kirk WILSON and Igor SUDUKHIN for  
Inventors

USING NEURAL NETWORKS FOR DATA MINING

Title of Invention

## APPLICATION ELEMENTS ENCLOSED:

1. X Specification (total pages 28) including:
  - a. 6 pages of claims (25 claims)
  - b. 1 page Abstract
2. X 55 sheets of     informal X formal drawings (Figs. 1A-10F)
3.     Oath or declaration of Applicant(s) (     total pages)
  - a.     Newly executed (original or copy)
  - b.     Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Item 14 completed)
4.     Deletion of Inventor(s)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
5. X Incorporation By Reference  
The entire disclosure of the prior application is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.     Microfiche Computer Program (Appendix)

## APPLICATION PARTS ENCLOSED:

7.     An assignment (cover sheet & document(s))
8.     37 CFR 3.73(b) Statement (*when there is an assignee*)
9.     Power of Attorney
  - a.     Newly executed (original or copy)
  - b.     Copy from a prior application



10.      Information Disclosure Statement (IDS)/PTO-1449  
            Copies of IDS Citations
11.      A Preliminary Amendment
12.   X   Return Receipt Postcard (MPEP 503)
13.      A small entity statement under 37 C.F.R. §1.9 and §1.27  
            Statement filed in prior application, status still proper and desired
14.   X   If a Continuing Application, *check the appropriate box and supply the requisite information:*  
       ☒ Continuation of prior application No.: 10/418,671 filed April 18, 2003  
       ☐ Divisional of prior application No.:                  filed                   
       ☐ Continuation-in-part (CIP) of prior application No.:                  filed
15.   X   Amend the specification by inserting before the first line of page one: --This is a   X   continuation application Serial No. 10/418,671 filed April 18, 2003 which claims the benefit of Provisional application Nos. 60/374,064, 60/374,020, 60/374,024, 60/374,041, 60/373,977 and 60/373,780 filed in the United States on April 19, 2002.
16.      Priority of application No(s).      filed in      on     . Applicant hereby claims priority under 35 U.S.C. § 119.  
            A certified copy of priority application No.                  is enclosed  
            A certified copy of priority application No.                  has been filed in prior application S.N.                  filed
17.      Other (identify)

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

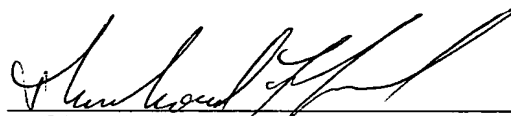
	Number Filed		Number Extra*		Rate			Fee	
					Small Entity	Other Entity		Small Entity	Other Entity
Total Claims	25-20	=	5	x	\$ 9	\$ 18	=	\$	\$ 90
Indep. Claims	3-3	=	0	x	\$ 43	\$ 86	=	\$	\$ 0
Multiple Dependent Claims Presented: Yes <u>    </u> No <u>  X  </u>					\$ 145	\$ 290	=	\$	\$ 0
If the difference in column 1 is less than zero, enter "0" in column 2					Basic Fee			\$ 385	\$ 770
					Total Fee				\$ 860

18. X A check in the amount of \$860.00 to cover the filing fee.
19.      Please charge Deposit Account No. 03-3125 in the amount of \$ 40.00 for recordation of the Assignment.
20. X The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the following or credit any overpayment to Deposit Account No. 03-3125.
- X Filing fees under 37 C.F.R. § 1.16.
- X Patent application processing fees under 37 C.F.R. §1.17.
- The issue fee set in 37 C.F.R. §1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. §1.311(b)..
21. X Three copies of this sheet are enclosed.
22. X Other (identify) Petition for Extension of Time and a check for \$2,010.00 for five month extension fee

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Respectfully submitted,



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